BRAKES—ABS LAMP ILLUMINATED AND DTC C1235, C1236, C1237—VEHICLES WITH DIFFERENTIAL-MOUNTED REAR WHEEL SPEED SENSOR

Article No. 03-26-3

FORD: 2002-2004 EXPLORER

LINCOLN: 2003-2004 AVIATOR

MERCURY: 2002-2004 MOUNTAINEER

ISSUE

Some vehicles may exhibit an Anti-Lock Brake System (ABS) warning lamp illuminated with Diagnostic Trouble Codes (DTCs) C1235, C1236 and/or C1237 (Wheel Speed RR Input Signal Missing/Wheel Speed LR Input Signal Missing/Rear Wheel Speed Sensor Output Failure) stored in memory. This may be due to an intermittently functioning differential-mounted Rear Wheel Speed Sensor.

ACTION

To service, refer to the following diagnostic and repair procedure.

NOTE

THIS TSB ONLY APPLIES TO VEHICLES WITH DTCS C1235, C1236 AND/OR C1237. FOR ALL OTHER DTC'S, REFER TO THE APPROPRIATE WORKSHOP MANUAL.

NOTE

THIS TSB DOES NOT APPLY TO VEHICLES EQUIPPED WITH ADVANCETRAC (STABILITY ASSIST / IVD).

SERVICE PROCEDURE

1. Retrieve Continuous ABS DTC(s).
2. If C1235, C1236 and/or C1237 are present, turn ignition OFF and replace the differential-mounted Rear Wheel Speed Sensor.
   a. Raise vehicle on hoist so that the bottom of the rear differential is at head level.
   b. Stand slightly in front of the rear differential pinion flange, facing the rear of the vehicle (Figure 1).
   c. Reach up and over the passenger side of the differential housing to access sensor.
   d. Remove the hold-down bolt and remove sensor from differential housing (3/8″ socket).
   e. Unlatch red locking tab on the top of the electrical connector by sliding it away from the sensor, then release connector latch and disconnect connector from sensor.
   f. Install new sensor and torque hold-down bolt to 27 N•m (20 lb-ft).
   g. Connect the electrical connector to the sensor.

NOTE

IT IS NO LONGER NECESSARY TO APPLY F8AZ-19G208-AA GREASE TO THE ELECTRICAL CONNECTOR AS PREVIOUSLY RECOMMENDED.

3. Clear Continuous ABS DTC(s).
4. Verify repair.

NOTE

THE ABS SYSTEM CONFIRMS REAR WHEEL SPEED SENSOR SIGNAL INPUT BASED ON SEVERAL WHEEL REVOLUTIONS ABOVE 24 KM/H (15 MPH). DRIVE VEHICLE FOR AT LEAST 75 FEET AT OR ABOVE 15 MPH. IF WHEEL SPEED SIGNAL INPUT IS MISSING THE ABS LIGHT WILL ILLUMINATE.

PART NUMBER	PART NAME
4L2Z-9E731-AA	Wheel Speed Sensor

NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford, Lincoln, or Mercury dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article.The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supercede this information with updates.The most recent information is available through Ford Motor Company's on-line technical resources.

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OTHER APPLICABLE ARTICLES: NONE
WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage

OPERATION	DESCRIPTION	TIME
032603A	Replace The Differential Mount Rear Wheel Speed Sensor (Includes Time To Check For Codes Replace Sensor And Clear Codes)	0.5 Hr.

DEALER CODING

BASIC PART NO.	CONDITION CODE
9E731	42

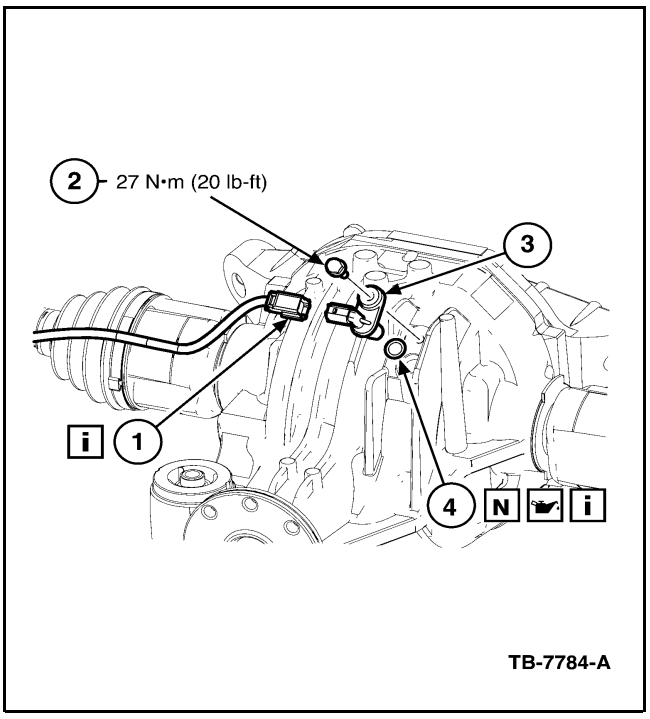

Figure 1 - Article 03-26-3